

# CPWET "ENTERPRISE": WEIGHT INDICATOR FOR ADVANCED INDUSTRIAL APPLICATIONS, IP68 STAINLESS STEEL



Freely  
Programmable



CPWET: weight indicator.

## I/O SECTION

- **2 RS232 serial ports** configurable for connection to PC, printers, labellers, remote scale, repeater, serial bar code reader or other external units.
- **RS232/RS485 port** configurable for PC, PLC, or other external units.
- **Keyboard emulation input** for connection to PC keyboard or bar code reader, through cable with mini DIN connector (optional).
- **2 optoisolated inputs**, configurable as remote function keys or other functions depending on the software program automation.
- **4 optoisolated outputs**, with configurable functions depending on the software program automation.



- External Profibus interface (optional), for automation management (only for E-AF01 version).

High performance digital weight indicator with programmable inputs and outputs, 3 serial ports, transmissions protocols for data communication, completely programmable printouts, graphic display and input for included bar code/badge reader. The wide range of connectable accessories and printers guarantees the maximum interfaceability and versatility. CE-M approvable (OIML R-76 / EN 45501).

## MAIN FEATURES

- Waterproof 25-key numerical functional keyboard.
- Programmable function keys, for customising the keyboard functions according to the needs.
- Easy to consult backlit graphic LCD display, with a clear visualisation of the weight and wide range of information.
- Fitted with 3-way control light made up to sinoptic bar-graph with 3 groups of 3 Leds each, to tollerance check and setpoint.
- IP68 stainless steel waterproof case, easy to clean and resistant in harsh and corrosive environments.
- Dimensions, including support bracket: 269x58,8x183mm.
- Suitable for use on the table, or wall.
- Real time clock and permanent data memory.
- Integrated alibi memory for CE-M communication with PC and printer.

### • Functions available with DINITOOLS utility

- Configuration, calibration, data entry and print formatting.
- Saving and filing of all the information on PC.
- Complete retrieval of the data saved for quick substitution
- Instrument calibration with numeric values.

- **Easy Excel data entry:** the weight indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, database).
- Selection of the programme language directly in the set-up.
- A/D 24 bit sigma-delta 4-channel conversion, up to 200 conv./sec. with automatic selection. Filtering system through programmable software, adjustable according to the system.
- Calibration and Set-Up parameters, configurable from PC with Dinitools or with the keyboard; theoretical calibration with the entry of the characteristics of the load cells.
- Up to 1.000.000d displayable for internal factory use.
- Up to 10.000e or multirange 3 x 3000e @ 0,3  $\mu$ V/d in CE-M approved version for legal for trade use.
- Up to **8 signal linearisation points** with DINITOOLS.
- Internal resolution of up to 3.000.000 points.
- 12 Vdc power supply with external power adapter.



Optional Bluetooth connection, for quick wireless programming of the activities and the formulas, through PC or PDA.

- Management of a weighing system with digital equalisation of the 4 cells or management of up to 4 independent weighing systems (depending on the application software).
- Connectable with up to 16 analogue load cells with 350 Ohm input resistance (45 1000 Ohm cells) **and to the main digital load cells available on the market.**
- Connectable to printers and labellers through the available command drivers.

#### OPTIONS UPON REQUEST (at time of order)

- 868MHz radio modem.
- Bluetooth interface.
- 433MHz radiofrequency remote control.

#### Available versions

Code	Description
<b>CPWETBATCH1</b>	Weight indicator in the "BATCH1" version for single product dosage systems in loading or unloading, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF01</b>	Weight indicator in the "AF01" version for totalization and formulation, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF02</b>	Weight indicator in the "AF02" version for quantity (pieces, litres, etc.) counting systems, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF03</b>	Weight indicator in the "AF03" version for vehicle weighing systems, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF04</b>	Weight indicator in the "AF04" version for statistical check of prepackaged goods, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF05</b>	Weight indicator in the "AF05" version for industrial price computing, with IP68 stainless steel case, 25-key keypad, backlit graphic LCD display and fitted control light.
<b>CPWETAF09</b>	Weight indicator in AF09 version for static or dynamic axle weighing systems, with IP68 stainless steel case, a 25-key keyboard, an LCD graphic backlit display, and a standard-fitted built-in control light.

#### Options only available at time of order

Code	Description
<b>KCEM</b>	Kit of plates and Welmec form for the approval of the system for legal for trade use, for each provided platform/weighing system, connected to Dini Argeo indicator.
<b>SWM</b>	WeiMonitor PC program for monitoring and recording in real time all the weights executed on the connected scale.
<b>OBRF</b>	External 868 MHz radio frequency module, ABS IP65 protecting box, 3 m cable, power supply from weight indicator. Max. distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels.
<b>OBRFUSB</b>	868 MHz radio frequency module for PC, with PVC box and 1 m USB/mini USB connecting cable; power supply directly from the USB port. Max. functioning distance, in appropriate environmental and installation conditions: 70m indoors, 150m outdoors. 50 configurable channels. (OBRFUSB must be combined with another radio module).
<b>SETHDIN</b>	RS232 / RS485 / RS422 / Ethernet converter, connectable to all Dini Argeo weight indicators via the serial port, with ABS case, ideal for mounting on Omega / DIN bar.
<b>PROFI232</b>	External RS232/PROFIBUS interface for DIN bar, connectable to the indicators with Profibus protocol.

TLR	433MHz radio frequency remote control, with 6 keys, for use up to 50 m of distance, in appropriate environmental conditions.
BLTH	Bluetooth interface integrated with the instrument, for wireless connection to the portable PC or PDA.
RSCBRJ	RS232/C serial cable l= 1,5 m, for connection of the indicator to PC, made up of DB9 connector (9-pole) on PC side and RJ connector on indicator side.
KBCBCE	Cable with MINI DIN connector for PC keyboard or badge/barcode reader.
USBC	Built-in USB port kit inside the indicator, complete of USB key for PC, with 2GB storage.
DCATEXMB4	Declaration of ATEX conformity of the whole, Ex II 2GD IIC T6 T125°C X system, with relative label of whole system, for NON ATEX weight indicator connected to Dini Argeo zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). ATEX CONFORMITY DECLARATIONS will be supplied in English.
KMB4	Kit of 3 passive safety zener barriers for up to 4 load cells of 350 ohm, housed in an ABS box, for intrinsic protection weighing systems in a hazardous area. Marking of the single barrier: ATEX II (1) GD [Ex ia] IIC [Ex iaD]. Marking of the whole box with three Zener barriers: ATEX II 3G Ex nA II T4 IP65 (-20°C ≤ Ta ≤ +40°C).
PRNSERV	Custom-made printouts of up to 4 print formats, for OBTPR..../OBMMC/OBMDP/TM295/LX300 printers. NET PRICE
APRNSERV	Custom-made printouts of up to 4 print formats, for LP542S/SMTPLUS labellers. NET PRICE
TECSUP	Technical assistance by telephone or at our premises for instrument configuration and printout formatting. NET HOURLY PRICE.

## Accessories

Code	Description
TM295	Dot matrix impact printer with 1,5 m RS232 cable for connection to weight indicator, external 100/240 Vac power adapter.
LX300	Dot matrix impact printer with 1,5 m RS232 cable for connection to weight indicator, internal 100/240 Vac power adapter.
LP542S	Thermal labeller with peel-off system, with 1,5 m RS232 cable for connection to weight indicator, external 100/240 Vac power adapter.
SMTPLUSPRO	Industrial labeller with thermal or direct transfer, with 1,5 m RS232 cable for connection to weight indicator, internal 100/240 Vac power adapter.
SCCD	Bar code scanner for UPC/EAN, Code 39, 39 Full ASCII, 128 and others. 80mm reading width, max. 20mm/20mil reading distance. It needs a mini DIN cable.
PCKBRD	QWERTY PC keyboard. It needs a mini DIN cable.
UKPLUG	Power adapter from Schuko to BS1363.
TECMAN	Printed technical manual (free, if downloaded from the web). NET PRICE.
UMAN	Printed user manual (free, if downloaded from the web and available in the CD, fitted with the product). NET PRICE.

SOFTWARE VERSIONS	MAIN FEATURES	
E-BATCH1	<ul style="list-style-type: none"> <li>- <b>Single product dosage function in loading and unloading</b>, with tolerance check</li> <li>- Management of the dosage on various scales (up to 4), with production program and automatic scale change.</li> <li>- Automatic printing of the dosage data and storage/printing of the consumptions.</li> <li>- Database: 500 single products formulas.</li> </ul>	<a href="#"><u>&gt;&gt; Technical data sheet</u></a>
AF01	<ul style="list-style-type: none"> <li>- <b>Weight totalization</b>.</li> <li>- Management up to 4 independent scales + remote scale.</li> <li>- 4 levels of totals zeroable and printable in an independent way. Prints list of last 1000 weighs.</li> <li>- Database: 1000 Articles, 200 Clients, 300 Tares for each scale and 15 configurable texts.</li> </ul>	<a href="#"><u>&gt;&gt; Technical data sheet</u></a>

<b>AF02</b>	<ul style="list-style-type: none"> <li><b>Multi-scale quantity counting function and weight and pieces totalization.</b></li> <li>Management up to 4 independent scales + remote scale.</li> <li>4 levels of totals zeroable and printable in an independent way.</li> <li>Database: 1000 Articles, 200 Clients, 300 Tares for each scale and 15 configurable texts.</li> </ul>	<a href="#"><b>&gt;&gt; Technical data sheet</b></a>
<b>AF03</b>	<ul style="list-style-type: none"> <li><b>Vehicle weighing and Input/Output function (with memory).</b></li> <li>Management up to 2 scales with "A+B" function for displaying sum + remote scale.</li> <li>6 levels of totals zeroable and printable in an independent way.</li> <li>Database: 500 Clients, 500 Products, 500 Vehicles and 15 configurable texts.</li> </ul>	<a href="#"><b>&gt;&gt; Technical data sheet</b></a>
<b>AF04</b>	<ul style="list-style-type: none"> <li><b>Statistical check function of prepacked goods, for internal use or according to legal norms.</b></li> <li>Management up to 4 independent scales + remote scale.</li> <li>4 levels of totals zeroable and printable in an independent way.</li> <li>Database: 500 Articles and 15 configurable texts.</li> </ul>	<a href="#"><b>&gt;&gt; Technical data sheet</b></a>
<b>AF05</b>	<ul style="list-style-type: none"> <li><b>Price computing function with labelling and weight and price totalization.</b></li> <li>Management up to 4 independent scales + remote scale.</li> <li>4 levels of totals zeroable and printable in an independent way.</li> <li>Database: 1000 Articles, 1000 Ingredients, 300 Clients, 200 Tares for each scale and 15 configurable texts.</li> </ul>	<a href="#"><b>&gt;&gt; Technical data sheet</b></a>
<b>AF09</b>	<ul style="list-style-type: none"> <li><b>Dynamic weighing axles.</b></li> <li><b>Static weighing axles.</b></li> <li><b>Deduction of a known tare value or IN / OUT function.</b></li> <li>Management of up to 2 scales (NOTE: The platforms are connected to the same reading channel).</li> <li>Viewing and printing of the vehicle total.</li> <li>Database: 500 Clients, 500 Products, 500 Vehicles and 15 free texts.</li> </ul>	<a href="#"><b>&gt;&gt; Technical data sheet</b></a>